Contents of Volume 28

Research Papers

T. Lydersen (*USA*)
Timeout induced by differential-reinforcement-of-low-rate schedules 1

J.R.P. Halperin, D.W. Dunham and S. Ye (*Canada*)
Social isolation increases social display after priming in *Betta splendens* but decreases aggressive readiness 13

F. Uiblein, J.P. Durand, C. Juberthie and J. Parzefall (*FRG, France*)
Predation in caves: the effects of prey immobility and darkness on the foraging behaviour of two salamanders, *Euproctus asper* and *Proteus anguinus* 33

M. Špinka (*Czechoslovakia*)
Intersucking in dairy heifers during the first two years of life 41

F.R. Dani, R. Cervo and S. Turillazzi (*Italy*)
Abdomen stroking behaviour and its possible functions in *Polistes dominulus* (Christ) (Hymenoptera, Vespidae) 51

M. Itzkowitz and M.J. Draud (*USA*)
Conspecific intruders influence pair formation in a monogamous fish 59

C. Fabrigoule and I. Sagave (*France*)
Reorganisation of cues and path organisation in dogs 65

R. Cammaerts (*Belgium*)
Stimuli inducing the regurgitation of the workers of *Lasius flavus* (Formicidae) upon the myrmecophilous beetle *Claviger testaceus* (Pselaphidae) 81

M.E. Albonetti and F. Farabollini (*Italy*)
Behavioural responses to single and repeated restraint in male and female rats 97

J.-F. Gerard and C. Richard-Hansen (*France*)
Social affinities as the basis of the social organization of a Pyrenean chamois (*Rupicapra pyrenaica*) population in an open mountain range 111

Research Papers

J.R.P. Halperin and D.W. Dunham (*Canada*)
Increased aggressiveness after brief social isolation of adult fish: a connectionist model which organizes this literature 123

C.D.O. Beck and C.H. Rankin (*Canada*)
Effects of aging on habituation in the nematode *Caenorhabditis elegans* 145

R.H. Bradshaw and M.S. Dawkins (*UK*)
Slides of conspecifics as representatives of real animals in laying hens (*Gallus domesticus*) 165

R. Chalmeau and A. Gallo (*France*)
Social constraints determine what is learned in the chimpanzee 173

R. Jäger (*FRG*)
Lateral forebrain lesions affect pecking accuracy in the pigeon 181

A.E. Lamb and J.G. Ollason (*UK*)
Foraging wood-ants *Formica aquilonia* Yarrow (Hymenoptera: Formicidae) tend to adopt the ideal free distribution 189

J.-C. Verhaeghe and M.-C. Cammaerts (Belgium)
Possible function for a previously discovered pheromone on the last sternite of the ant *Tetramorium impurum* Mayr (Hymenoptera, Formicidae, Myrmicinae) 199

J.C. Petherick, E. Seawright and D. Waddington (UK)
Influence of motivational state on choice of food or a dustbathing/ foraging substrate by domestic hens 209

Abstracts
Papers presented at the Workshop on Parental Investment held at the Institut de Zoologie et Ecologie Animale (IZEA), Université de Lausanne, Switzerland, 27–28 July 1992. 221

Acknowledgement 237

Contents of Volume 28 239

Author Index 241

Subject Index 243

Publishers Announcement